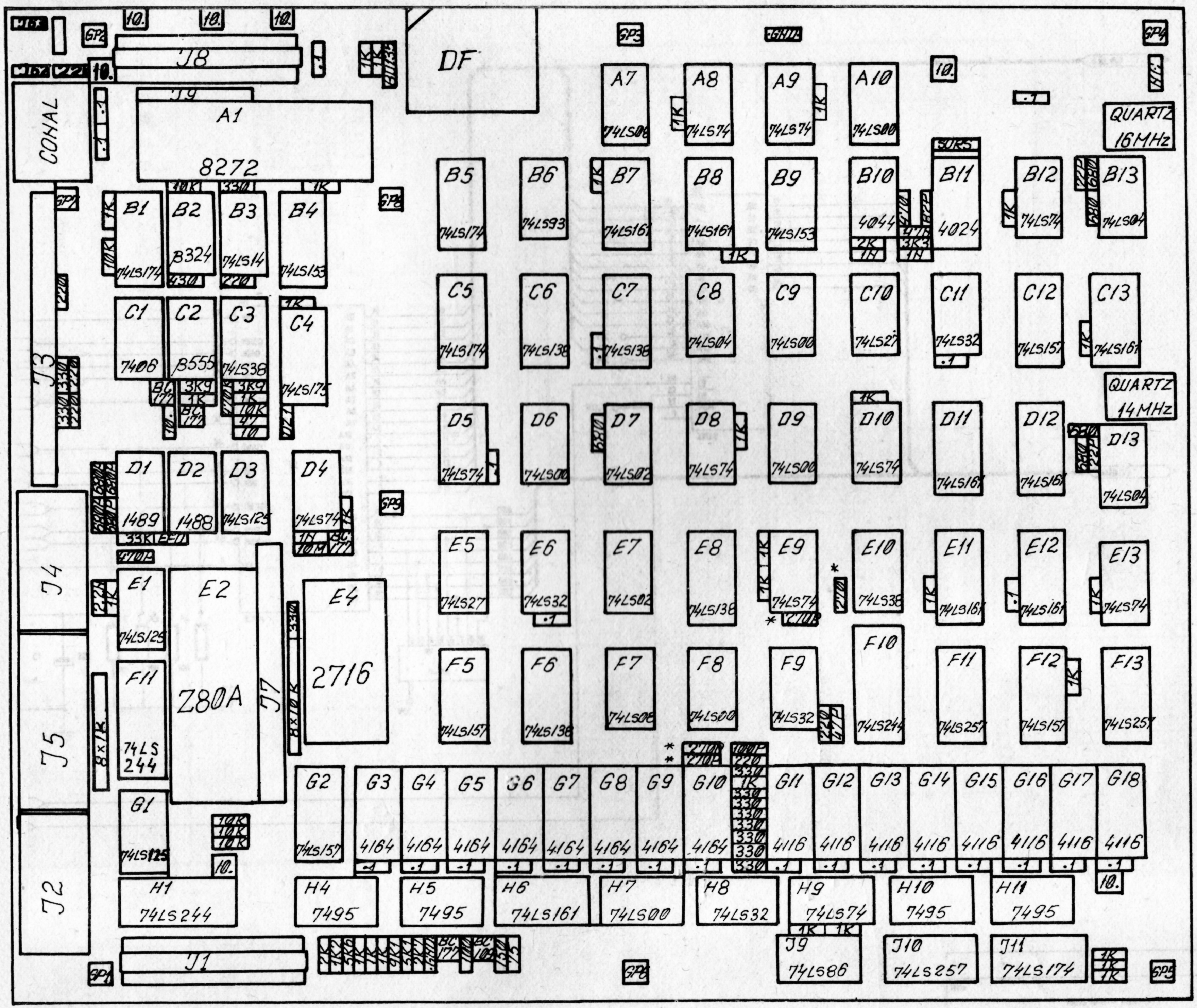
HC 88

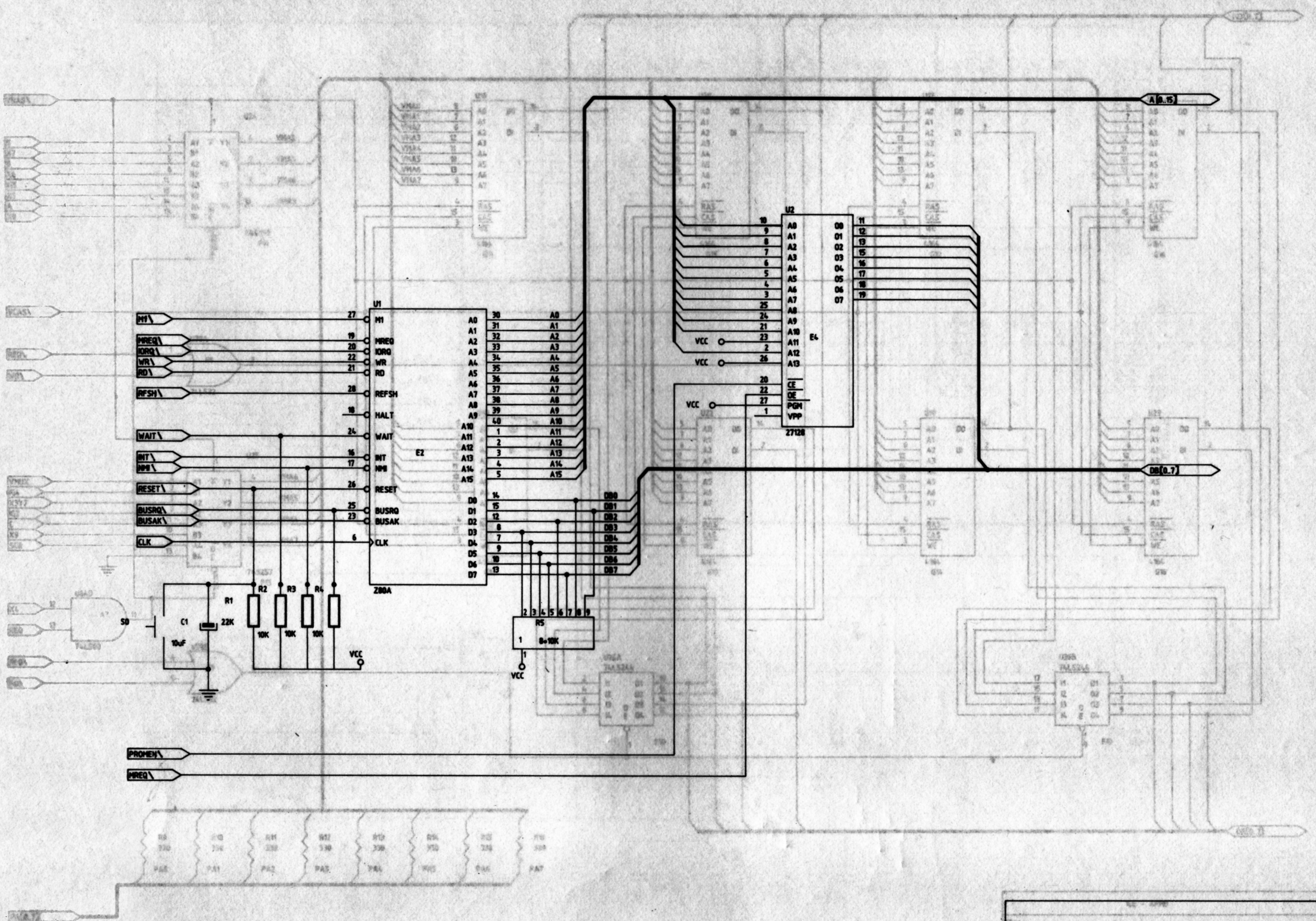
SCHEME LOGICE

ice felix
Data Processing Systems

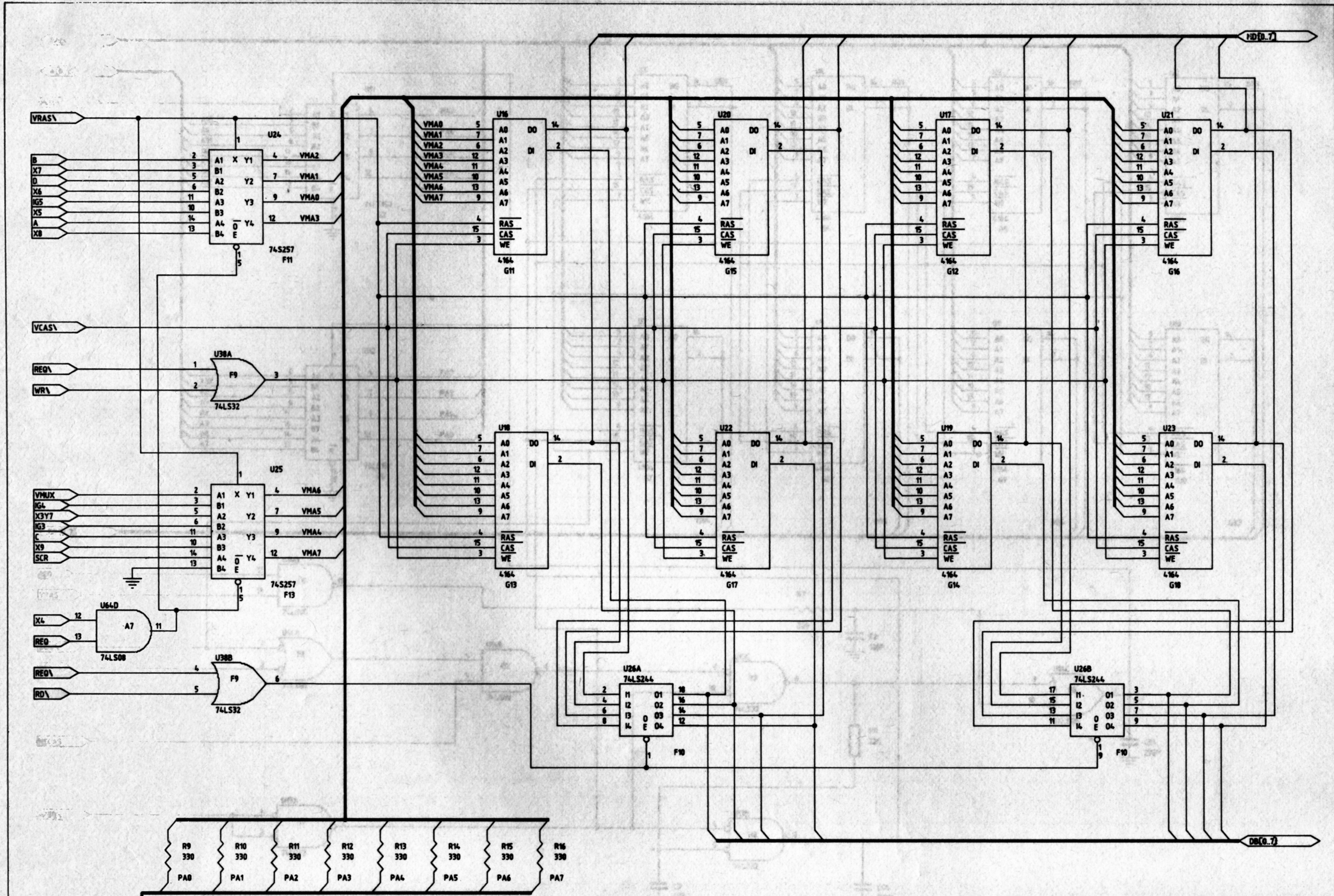
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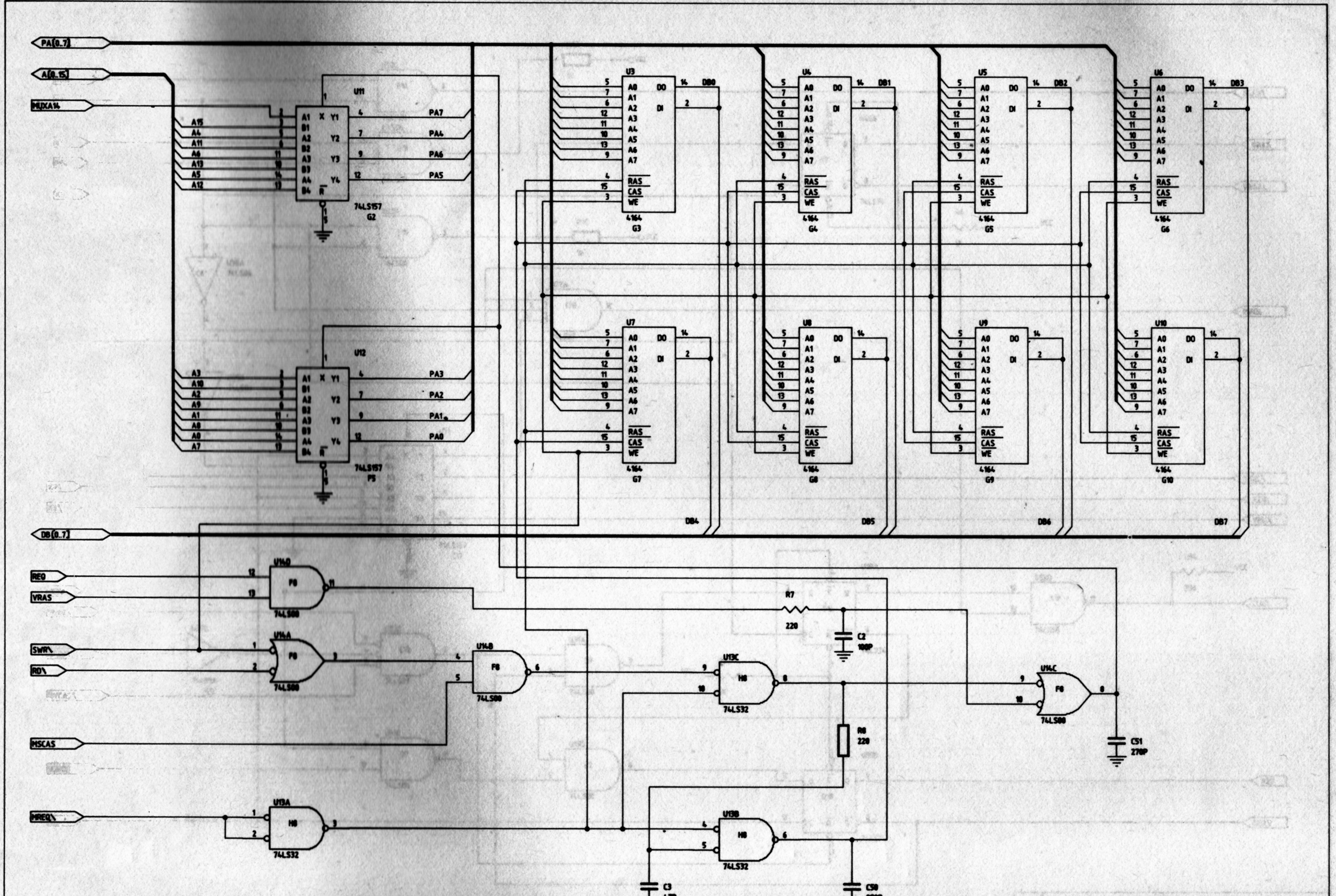
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J9
DF
A1 8272
COHAL
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A9 74LS74
A10 74LS00
QUARTZ 16MHz
B1 74LS174
B2 B324
B3 74LS14
B4 74LS153
B5 74LS174
B6 74LS93
B7 74LS161
B8 74LS161
B9 74LS153
B10 4044
B11 4024
B12 74LS74
B13 74LS04
J3
C1 7406
C2 B555
C3 74LS38
C4 74LS175
C5 74LS174
C6 74LS138
C7 74LS138
C8 74LS04
C9 74LS00
C10 74LS27
C11 74LS32
C12 74LS157
C13 74LS161
QUARTZ 14MHz
D1 1489
D2 1488
D3 74LS125
D4 74LS74
D5 74LS74
D6 74LS00
D7 74LS02
D8 74LS74
D9 74LS00
D10 74LS74
D11 74LS161
D12 74LS161
D13 74LS04
J4
E1 74LS125
E2 Z80A
J7
E4 2716
E5 74LS27
E6 74LS32
E7 74LS02
E8 74LS138
E9 74LS74
E10 74LS38
E11 74LS161
E12 74LS161
E13 74LS74
J5
F11 74LS 244
F5 74LS157
F6 74LS138
F7 74LS08
F8 74LS00
F9 74LS32
F10 74LS244
F11 74LS257
F12 74LS157
F13 74LS257
G1 74LS125
G2 74LS157
G3 4164
G4 4164
G5 4164
G6 4164
G7 4164
G8 4164
G9 4164
G10 4164
G11 4116
G12 4116
G13 4116
G14 4116
G15 4116
G16 4116
G17 4116
G18 4116
J2
H1 74LS244
H4 7495
H5 7495
H6 74LS161
H7 74LS00
H8 74LS32
H9 74LS74
H10 7495
H11 7495
J1
J9 74LS86
J10 74LS257
J11 74LS174
GP1
GP2
GP3
GP4
GP5
GP6
GP7
GP8
GP9



Title		
HC88 CPU - ROM		
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ICE - APME		
Title: HC88 VIDEO MEMORY		
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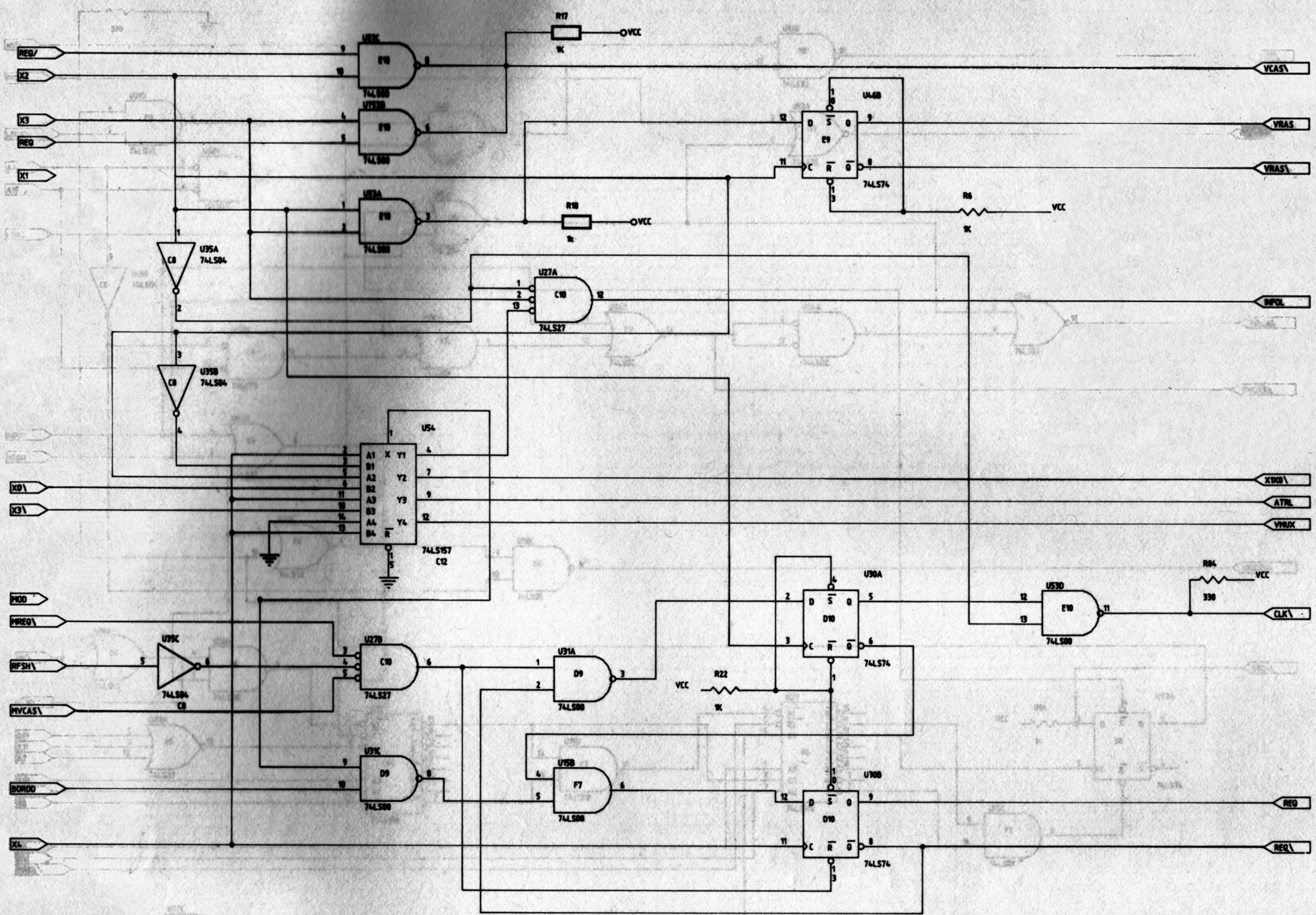


ICE - APME

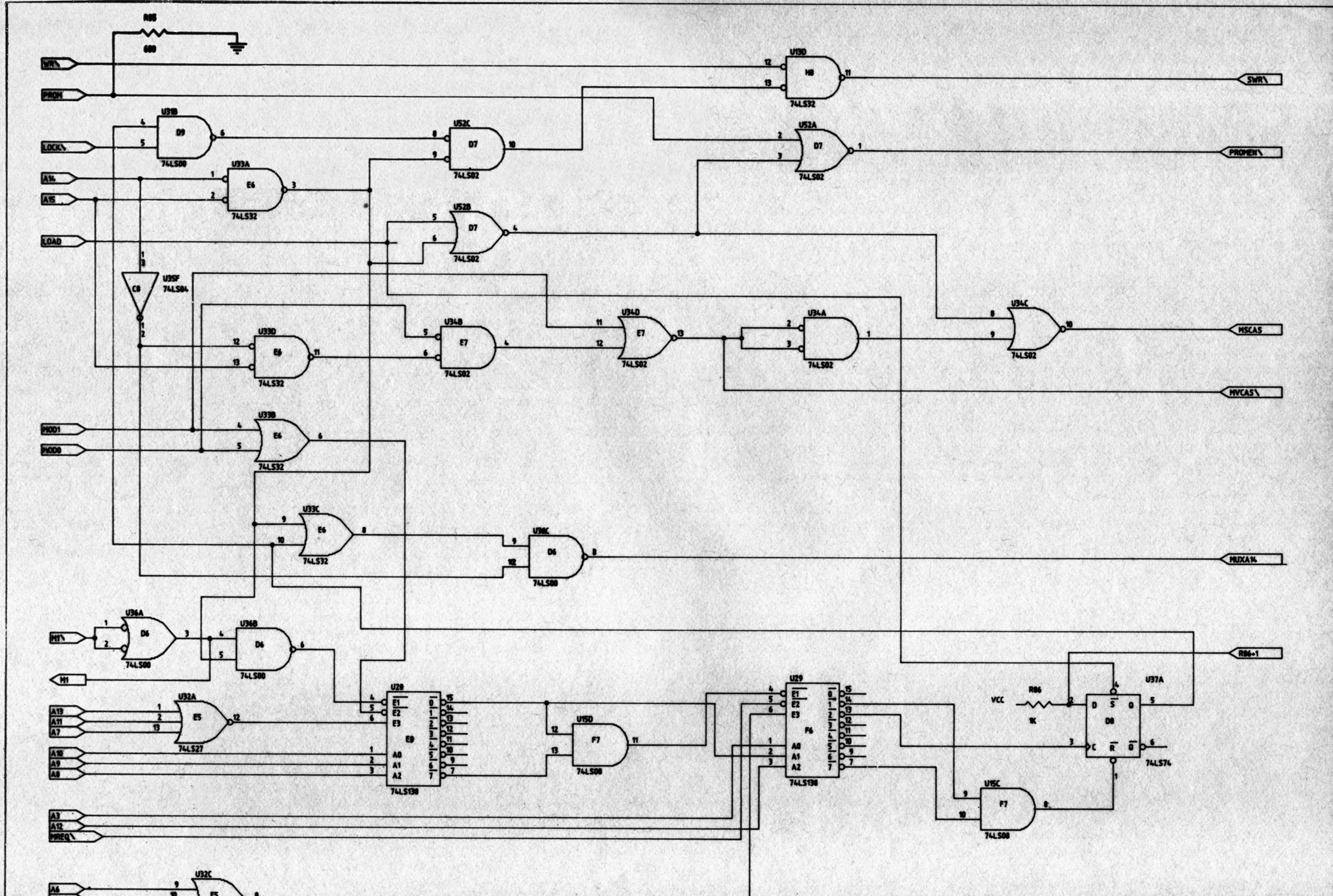
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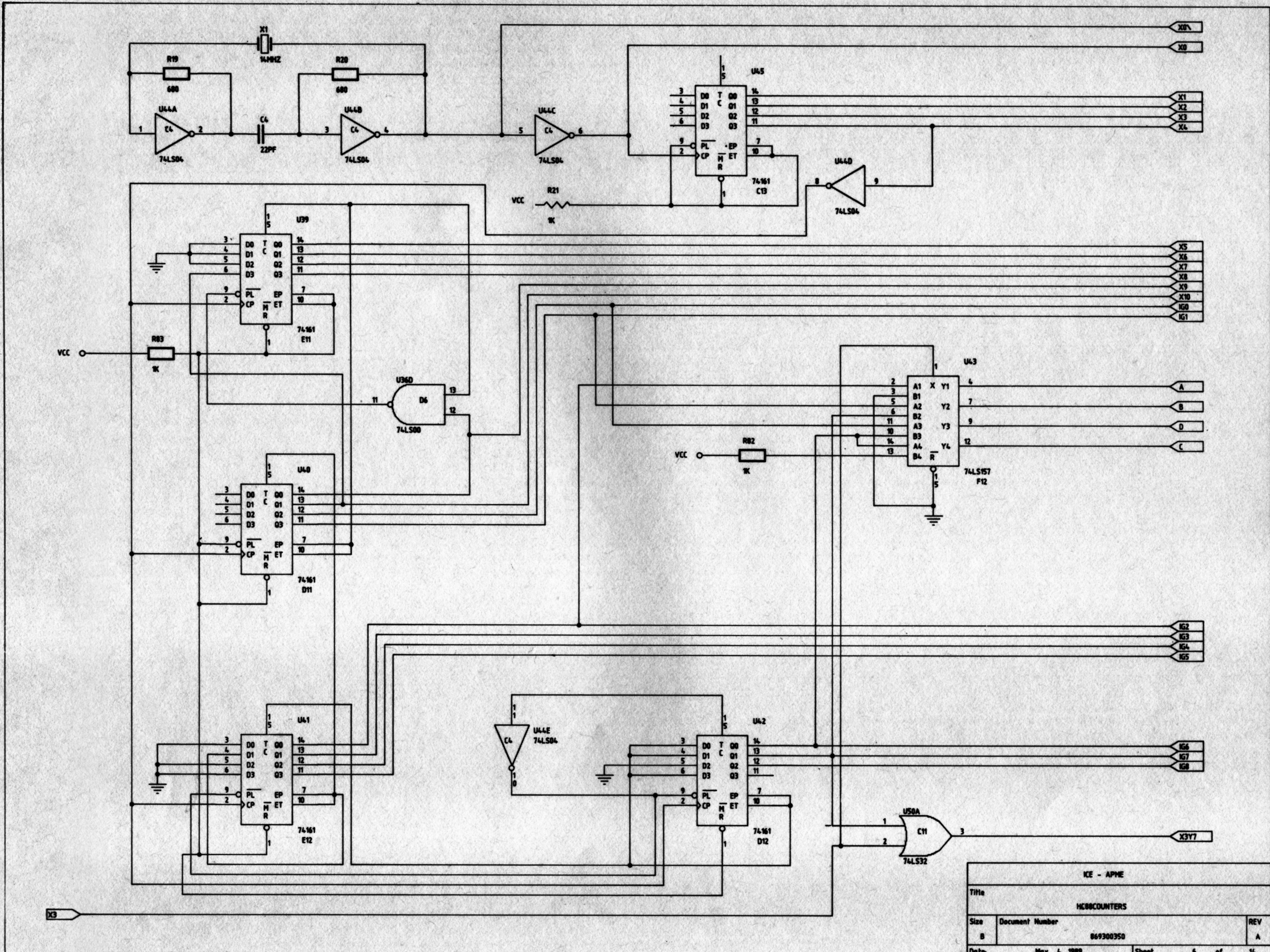
Date: May 3, 1989 | Sheet 3 of 14

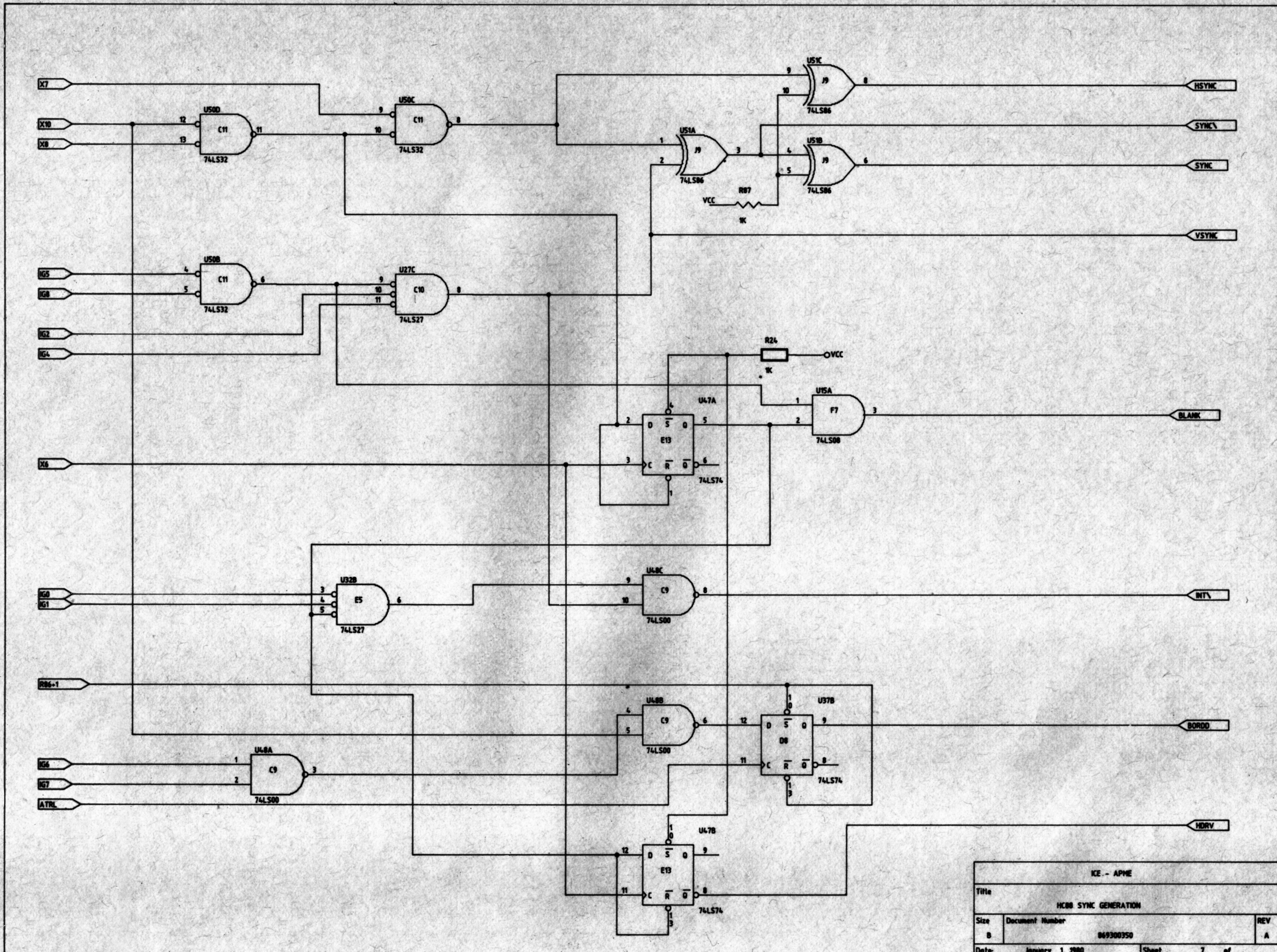


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Size B	Document Number 869300350	REV A
Date: May 3, 1989	Sheet 4 of 14	

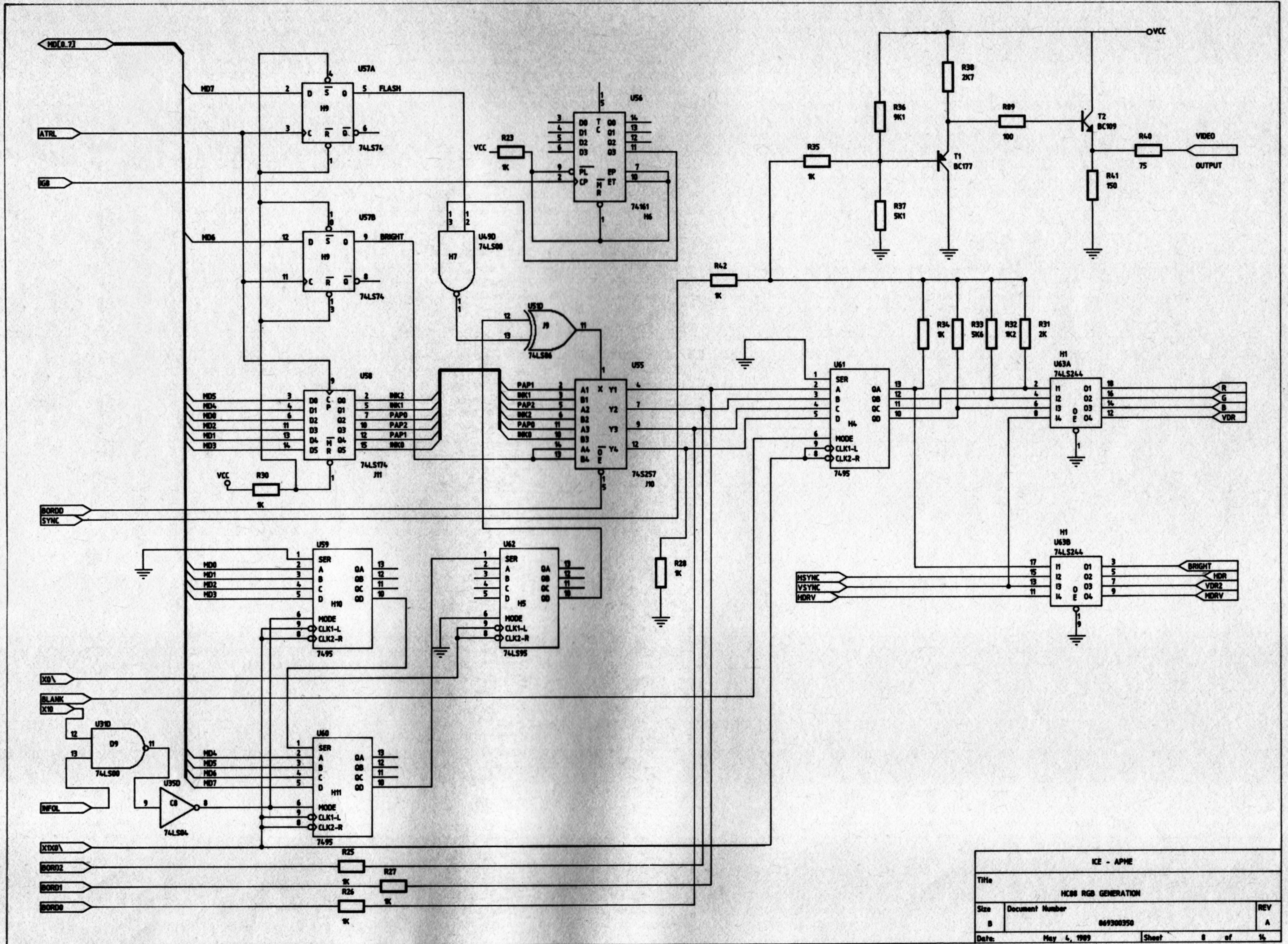


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Size: B	Document Number: 869300350	REV: A
Date: May 4, 1989	Sheet 5 of 14	

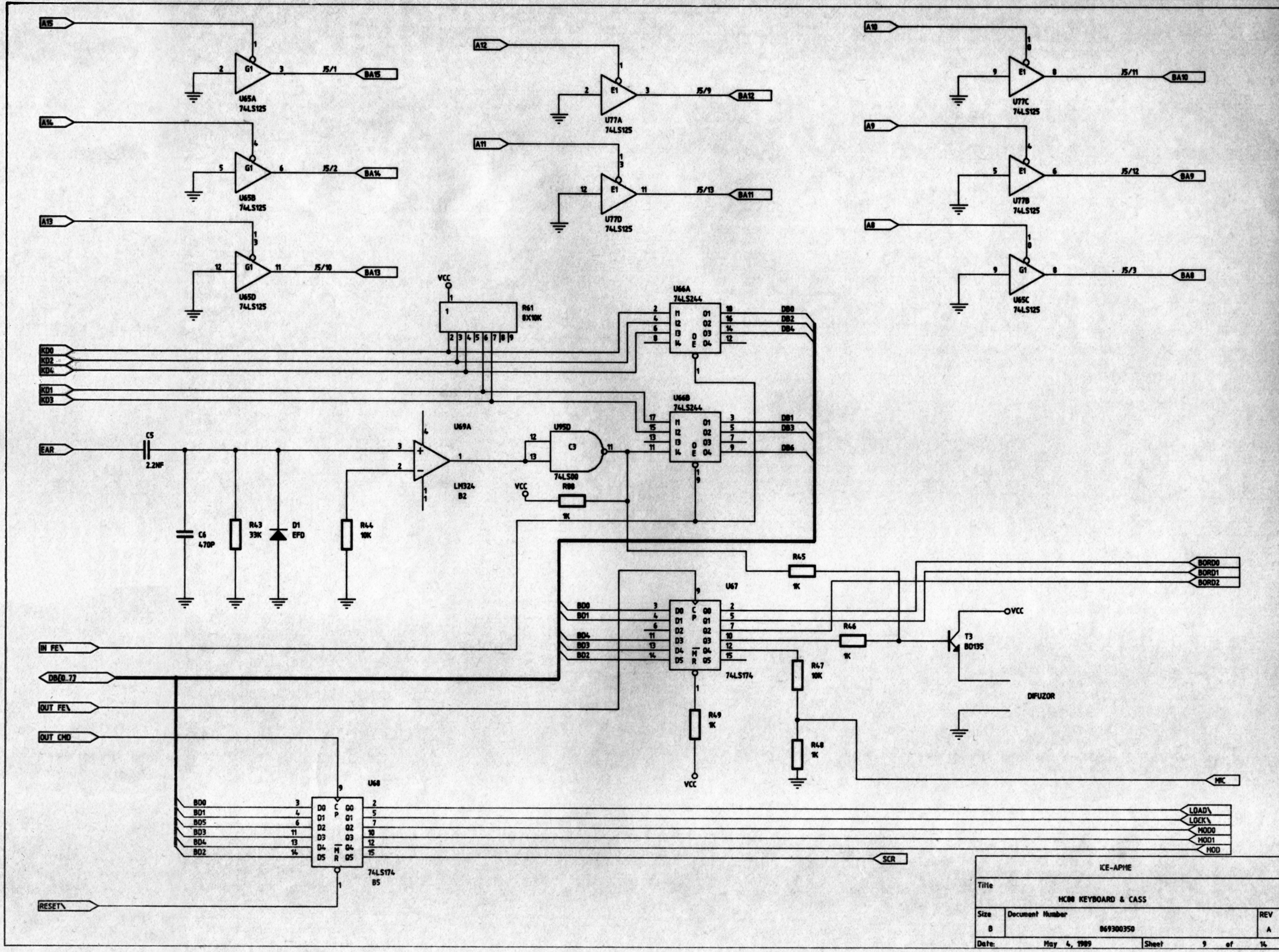

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R19
680
R20
680
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22PF
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74LS04
U44C
74LS04
U45
74161
C13
U44D
74LS04
VCC
R21
1K
U39
74161
E11
R83
1K
U36D
D6
74LS00
U40
74161
D11
U43
74LS157
F12
R82
1K
U41
74161
E12
U44E
74LS04
U42
74161
D12
U50A
C11
74LS32
X0\
X0
X1
X2
X3
X4
X5
X6
X7
X8
X9
X10
IG0
IG1
A
B
D
C
IG2
IG3
IG4
IG5
IG6
IG7
IG8
X3Y7
X3
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HC08COUNTERS
Size
B
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869300350
REV
A
Date: May 4, 1989
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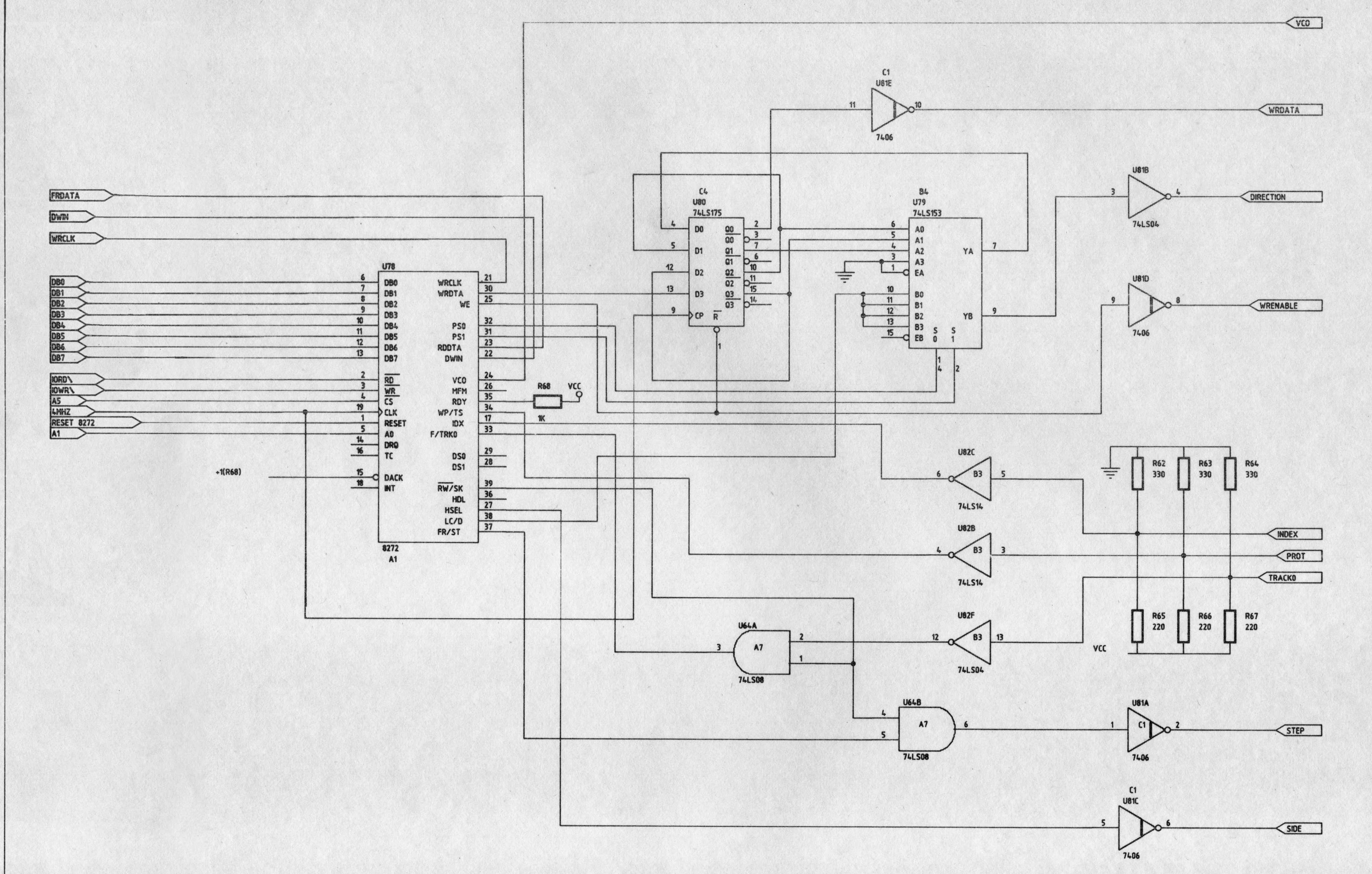
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X10
X8
IG5
IG8
IG2
IG4
X6
IG0
IG1
RB6+1
IG6
IG7
ATRL
HSYNC
SYNC\
SYNC
VSYNC
BLANK
INT\
BORDD
HDRV
U50D C11 74LS32
U50C C11 74LS32
U50B C11 74LS32
U27C C10 74LS27
U51C J9 74LS86
U51A J9 74LS86
U51B J9 74LS86
R87 1K
VCC
R24 1K
VCC
U47A E13 74LS74
U15A F7 74LS08
U32B E5 74LS27
U48C C9 74LS00
U48B C9 74LS00
U48A C9 74LS00
U37B D8 74LS74
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ICE.- APME
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HC88 SYNC GENERATION
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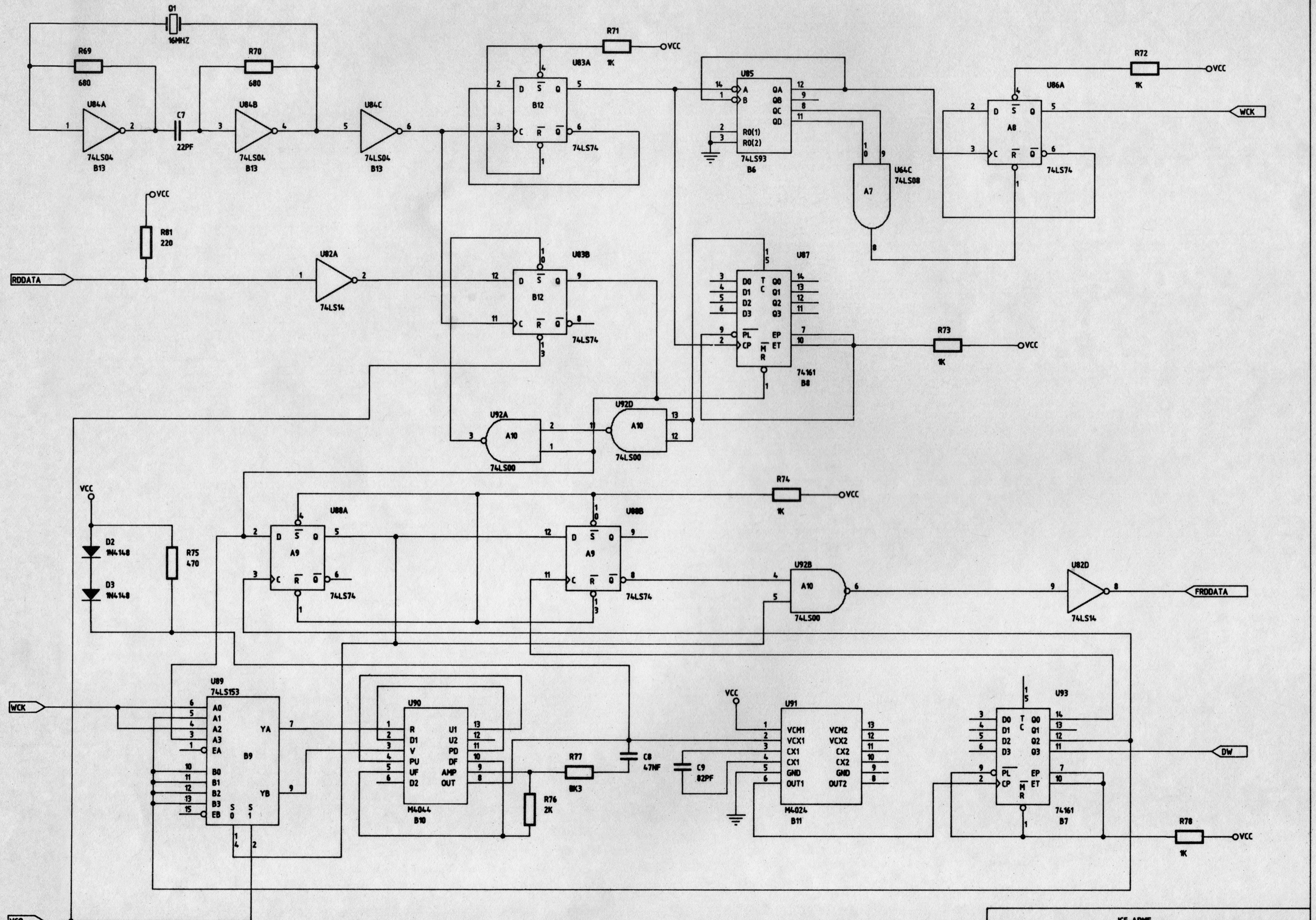
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Size: B	Document Number: 869300350	REV: A
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A15
A14
A13
A12
A11
A10
A9
A8
U65A 74LS125
U65B 74LS125
U65D 74LS125
U65C 74LS125
U77A 74LS125
U77D 74LS125
U77C 74LS125
U77B 74LS125
J5/1
J5/2
J5/10
J5/9
J5/13
J5/11
J5/12
J5/3
BA15
BA14
BA13
BA12
BA11
BA10
BA9
BA8
VCC
R61 8X10K
U66A 74LS244
U66B 74LS244
DB0
DB2
DB4
DB1
DB3
DB6
KD0
KD2
KD4
KD1
KD3
EAR
C5 2.2NF
C6 470P
R43 33K
D1 EFD
R44 10K
U69A
LM324 B2
U95D
74LS00
R88 1K
R45 1K
BORD0
BORD1
BORD2
U67
74LS174
BD0
BD1
BD4
BD3
BD2
BD5
R46 1K
T3 BD135
DIFUZOR
R47 10K
R49 1K
R48 1K
MIC
IN FE\
DB[0..7]
OUT FE\
OUT CMD
U68
74LS174 B5
LOAD\
LOCK\
MOD0
MOD1
MOD
SCR
RESET\
ICE-APIME
Title
HC80 KEYBOARD & CASS
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ICE-APME		
Title	HC88 FDK	
Size B	Document Number 869300350	REV A
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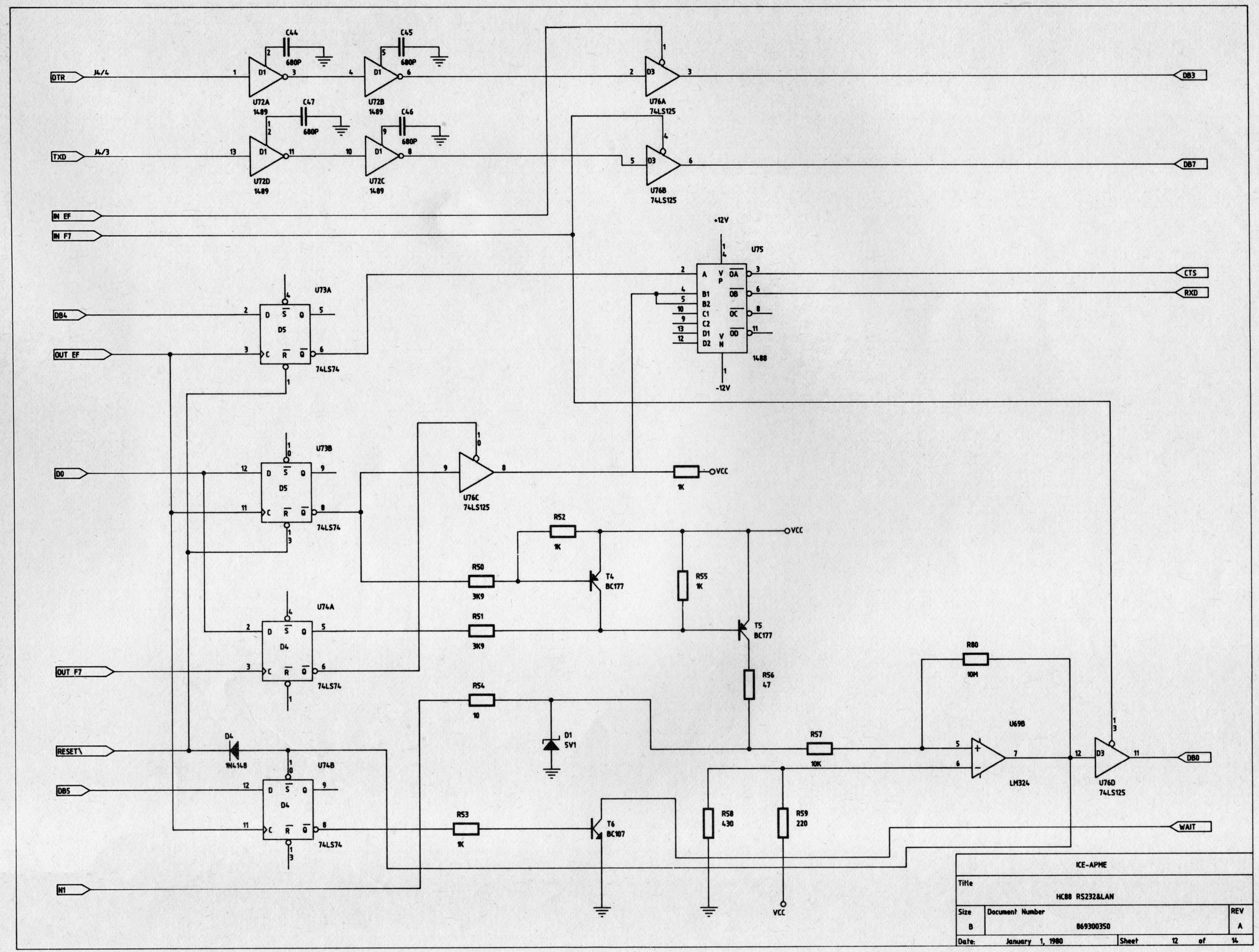
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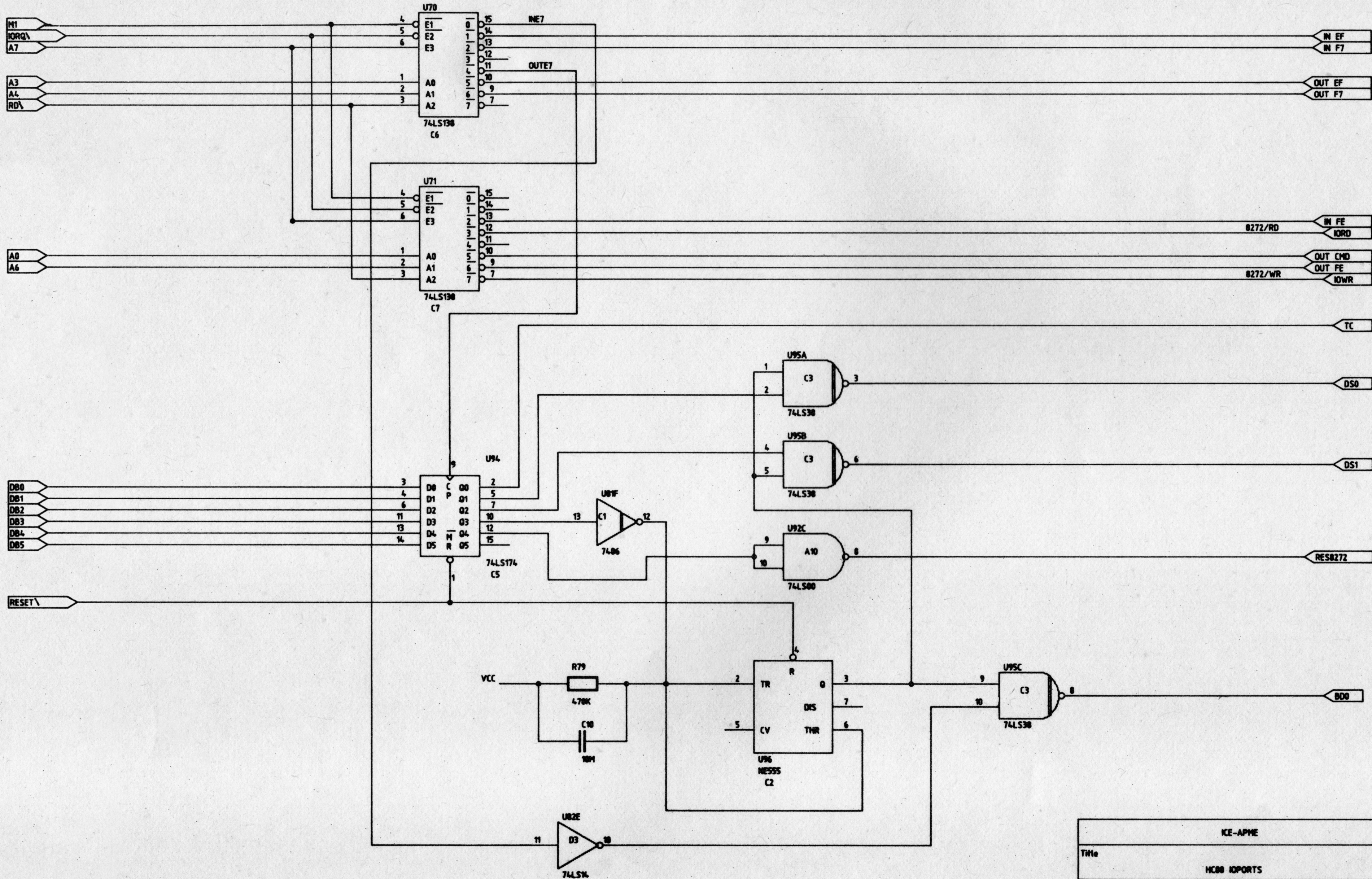
HC88 DISK PLL

Size	Document Number	REV
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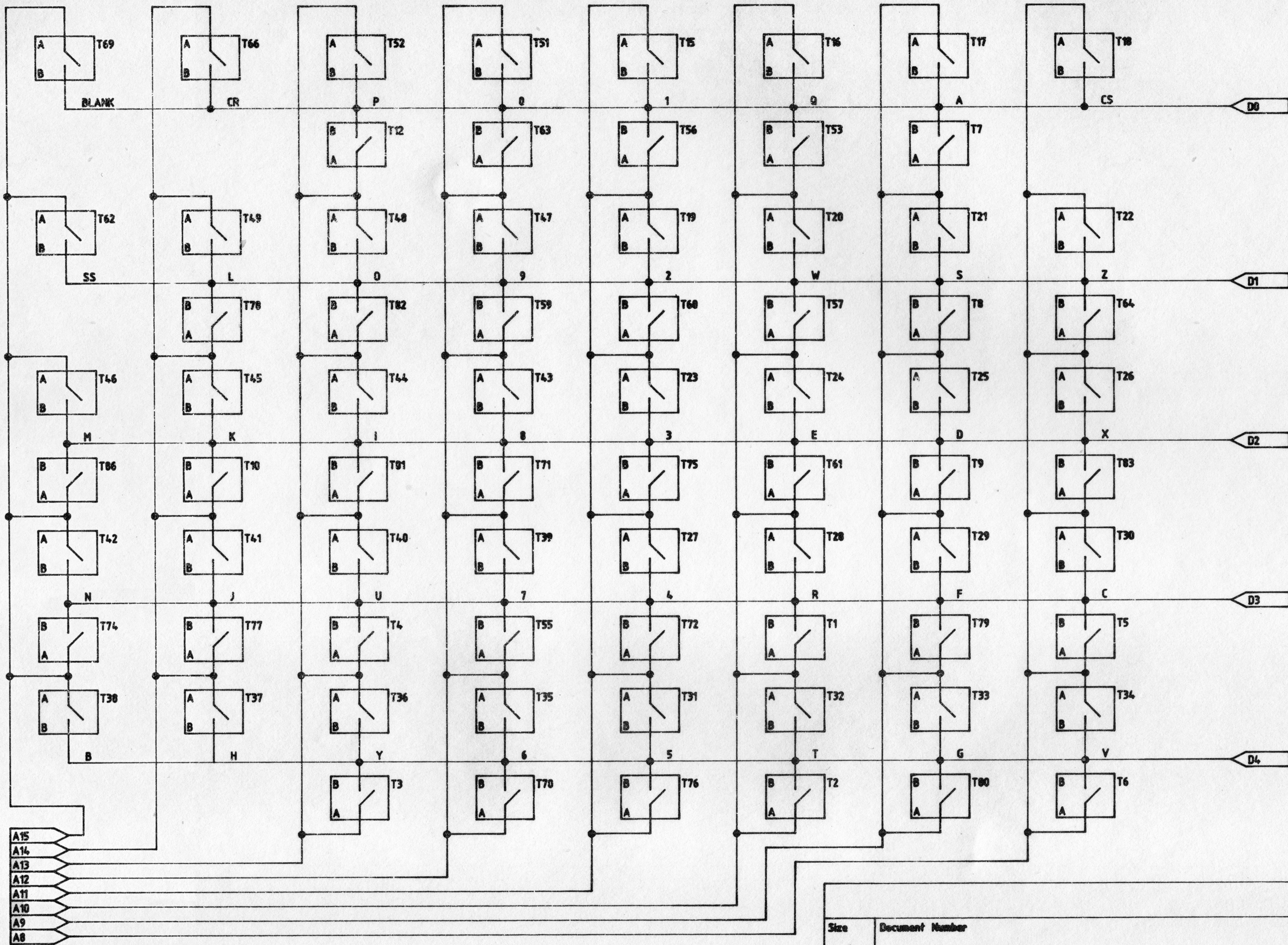
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ICE-APME		
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Size: B	Document Number: 869300350	REV: A
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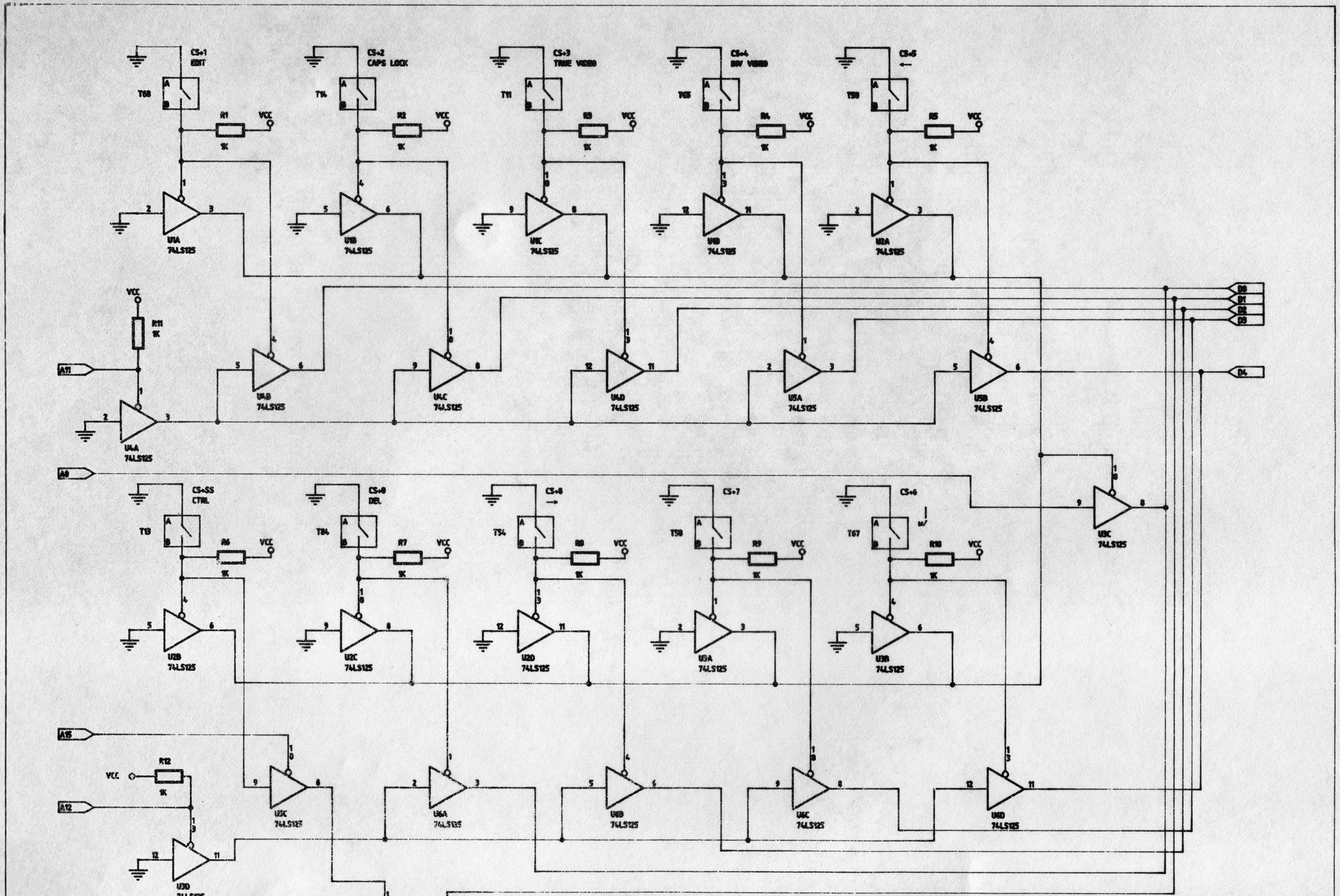


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Title HC88 IOPORTS		
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I.C.E. FELIX A.P.M.E.		
Title: HC86 KEYBOARD		
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